B. G. MICRO

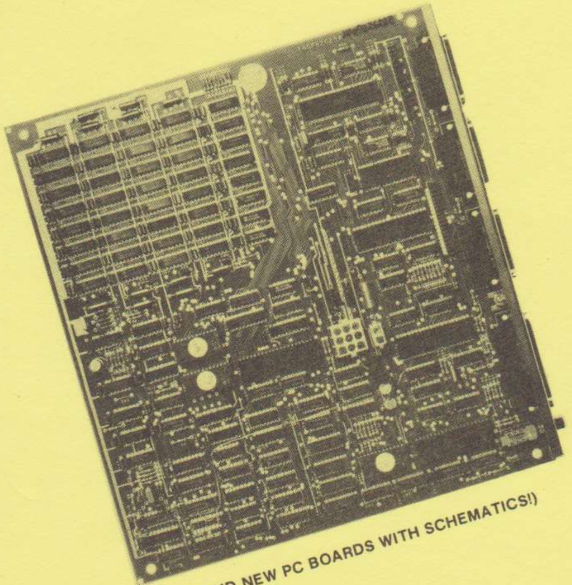
P. O. Box 280298 Dallas, Texas 75228
(214) 271-5546

MasterCard VISA AMERICAN EXPRESS Card

Z80* SINGLE BOARD COMPUTER!

64K RAM — 80 x 24 VIDEO DISPLAY — FLOPPY DISK CONTROLLER

RUNS CP/M* 2.2!



(BRAND NEW PC BOARDS WITH SCHEMATICS!)

$39.95

(BLANK BOARD WITH DATA AND ROM'S.)

GROUP SPECIAL: BUY 6 FOR $205!

USES EASY TO GET PARTS!

BOARD MEASURES 11½" x 12½"

ALL ORDERS WILL BE PROCESSED ON A *STRICT*, FIRST COME, FIRST SERVED BASIS! ORDER EARLY!

GIANT COMPUTER MANUFACTURER'S SURPLUS!

UNBELIEVABLE LOW PRICE!!!

Recently Xerox Corp. changed designs on their popular 820* computer. These prime, new, 820-1 PC boards were declared as surplus and sold. Their loss is your gain! These boards are 4 layers for lower noise, are solder masked, and have a silk screened component legend. They are absolutely some of the best quality PC boards we have seen, and all have passed final vendor QC. Please note, however, these surplus boards were sold by Xerox to us on an *AS IS* basis and they will not warranty nor support this part.

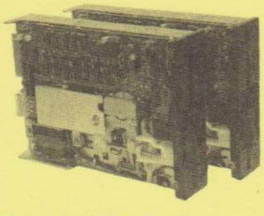
We provide complete schematics, ROM'S, and parts lists. If you are an *EXPERIENCED* computer hacker, this board is for you! Remember, these are prime, unused PC boards! But since we have no control over the quality of parts used to populate the blank board, we must sell these boards as is, without warranty. You will have to do any debugging, if necessary, yourself! CP/M 2.2 for the original Big Board, sold by Digital Research Computers, P. O. Box 461565, Garland, Texas 75046, will run on this PC board without modification. It is available from them for $139 including manuals.

WE'VE GOT EM!

5-1/4"

HALF SIZE DRIVES

- 40 Track per side
- Double-sided, double density
- Same as SA455
- Latest head & drive technology
- Fast access time



Two of These Half Size Drives will Fit in the Same Space as 1 Full Size Drive!

$229 2/$450

Compare at up to $349 ea.

ADD $3.00 UPS PER DRIVE

ADD $2 PER PC BOARD FOR SHIPPING. (USA and Canada)

*CP/M TM OF DIGITAL RESEARCH INC. (CALIF.) 820 TM OF XEROX CORP. Z80 TM OF ZILOG

TERMS: Orders over $50 add 85¢ insurance. No COD. Tex. Res. Add 5% Sales Tax. Subject to prior sale. Foreign orders: US funds only. We cannot ship to Mexico. Foreign countries other than Canada add $6 per board shipping.

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74LS

LS00	.24	LS164	.60
LS02	.24	LS165	.85
LS03	.24	LS166	.99
LS04	.24	LS169	1.25
LS05	.24	LS174	.50
LS08	.24	LS175	.50
LS10	.24	LS181	1.99
LS11	.24	LS191	.90
LS12	.30	LS192	.80
LS14	.50	LS193	.80
LS20	.24	LS195	.65
LS21	.25	LS221	.80
LS27	.24	LS240	.75
LS30	.24	LS241	.80
LS32	.36	LS242	.90
LS42	.49	LS243	.90
LS51	.24	LS244	.90
LS74	.30	LS245	1.50
LS85	.60	LS251	.50
LS86	.39	LS257	.45
LS90	.50	LS258	.45
LS93	.55	LS266	.50
LS109	.39	LS273	1.25
LS112	.39	LS279	.45
LS123	.75	LS283	.60
LS124	2.75	LS290	.85
LS125	.45	LS293	.85
LS132	.50	LS298	.89
LS133	.49	LS299	1.60
LS138	.50	LS366	.45
LS139	.50	LS367	.40
LS151	.50	LS368	.40
LS153	.50	LS373	.99
LS154	1.75	LS374	.75
LS155	.50	LS375	1.19
LS156	.55	LS377	1.49
LS157	.60	LS378	.85
LS161	.60	LS390	1.19
LS162	.65	LS393	1.19
LS163	.50	LS399	.99

TTL

7400	.19	7474	.29
7402	.19	7486	.29
7404	.19	74109	.45
7406	.19	74125	.49
7408	.19	74154	1.19
7410	.19	74175	.79
7438	.22	74367	.59
7440	.19		

74S

74S04	.30	74S240	1.99
74S138	.80	74S244	1.99

6500

6502	4.50	6551	10.00
6522	6.95		

6800

6800	2.50	6821	2.95
6802	5.00	6850	2.60
6810	2.00		

EPROM

1702A 256X8 1 us 2.00
2708 1KX8 450 n.s. 2.20
27A08 1KX8 350 n.s. 3.95
2758 1KX8 +5V 450 n.s .. 2.50

2716 2KX8
450 n.s. 3.20

2716-1 2KX8 350 n.s. 5.50
2732 4KX8 450 n.s. 4.75
2732A-2 200 n.s. 6.95
2732A-3 4K x 8 300 n.s. .. 5.95
2532 4KX8 450 n.s. 5.50
2764-30 300 n.s. 10.95
2764-25 250 n.s. 11.95

EPROM SPECIAL

We bought a large quantity of 2708s from a computer manufacturer who redesigned their boards. We removed them from sockets, erased and verified them, and now we offer the savings to you. Complete satisfaction guaranteed.

2708
$1.49 or 10/$12.00

STATIC RAM

TMM2016-2KX8
200 n.s. 8/39.95
2101-1 - 256X4
500 n.s. 1.00
21L02-1KX1 250 n.s. L.P. . .75
2102AL-4 L.P. 450 n.s. ... .49
2114L-3 1KX4 300 n.s.
L. P. 2.75 8/16.00
TMS4044 (MCM6641 C-25)
4KX1 250 n.s. 8/8.00
TMS4046 450 n.s. 1.00
5101E-8 - 256X4 -
CMOS $1.00
HM6116P-4-2KX8
200 n.s. CMOS 8/39.95
6501-5 256X4 - CMOS - Data Retention 2 Volts - 22 Pin - 200 n.s. Typ. - 5V - Very Low Power 1.50
8108-5 1KX8 NMOS 500 NS
22 Pin 2.00

4K STATIC RAMS

LESS THAN 50¢ EACH
MK4104J-4 - 250 N.S. 18 Pin Ceramic Computer Mfg. Surplus. PRIME. Fully Static. Easy to Use. Has Same Pin Out as TMS4044, but slightly different timing. With Specs. (Mostek)
8 for 5.00   32 for 15.95
VERY LOW POWER!

DYNAMIC RAM

5280N-5 (2107B-4 • TMS4060)
4KX1 .... 8/3.95
4027-4KX1-250 n.s. 1.00
4116-16KX1-250 n.s. ... 8/9.00
4116-16KX1-200 n.s. .. 8/11.50
4164- +5v 64K 200 n.s. 8/48.00

8000

Z8002	29.95	8080A	2.00
80C35C	4.50	8085	5.95
8035	2.95	8085A-2	7.00
8039	3.95	8088	20.00

8200

8202A	15.95	8251	3.95
8212	1.25	8253	2.95
8214	2.00	8255	3.25
8216	1.50	8257	6.00
8224	1.50	8275	19.95
8228	3.00	8279-5	7.95
8250B	9.95		

DIP SWITCH

DT08 BY ALCO
8 POSITION DIP SWITCH
Super low profile -
Made for automatic insertion -
SPECIAL — .90   10/7.50

Z80

Z80 2.5 MHZ CPU 3.50
Z80CTC 3.75
Z80DMA-DMA 9.95
Z80PIO 3.95
Z80SIO/O 16.95
Z80A-4MHZ CPU 4.95
Z80A DART 9.95
Z80A-PIO 5.95
Z80A SIO/O 19.95
Z80B 6 MHZ CPU 14.95

UART

1863 .... 3.95
IM6402-+5v High speed
UART-AY5-1013 pin out 1.65
INS 8250B 9.95

MISCELLANEOUS

AY3-8910 w/60 pg.
manual 9.95
8T97 .... .49
14 pin dip Shunt 4/1.00
16 pin dip Shunt 3/1.00
DAC08CN - 8 Bit D to A . 1.79
DAC0802 .... 2.49
UPD371 - Cassette
Controller 2.50
TMS4103J - Char. Gen. .. 4.00
2513 L.C. 4.95
1488-1489 .... .75
6100 - CMOS -
12 Bit CPU 3.95

SOCKETS

Low Profile SOLDER TAIL

6 Pin	14/1.00
8 Pin	13/1.00
14 Pin	10/1.00
16 Pin	8/1.00
18 Pin	8/1.00
20 Pin	7/1.00
24 Pin	6/1.00
28 Pin	6/1.00
40 Pin	5/1.00

BUY $10
GET $1.00
FREE CHOICE

F.D. CONTROLLERS

1771 Single Density 15.00
1791 Double Density ... 20.00
1793 .... 22.00
1797 .... 24.95

CONTROLLER SET

THREE CHIP SET
1797, 2143-03, 1691 by W.D.
Compare at up to 86.85.
B.G. SPECIAL
All 3 for only $29.95

CRYSTALS

32.768 Khz	1.00
262.144	.75
300.000	1.00
1.5432 Mhz	.75
1.8432	2.49
2.000000	2.49
3.000	1.15
3.120	1.20
3.579545 - HC18	1.00
4.000	2.49
4.194304	1.50
4.433618	.75
4444.000	1.25
4.9152	2.49
4.916 Bd. Rate	1.25
5.000000	1.50
5.0688	3.75
5.616	1.59
8.000	1.99
9.90000	1.25
10.69425	3.75
10.695000	1.59
10.8864	1.49
11.088	1.59
12.000	2.75
14.31818	2.49
16.00000	1.50
17.430	2.49
18.2259	1.00
20.000	3.75
21.87108	1.00
22.092	1.00
32.000	2.49
87.3333	1.00
91.000	1.00
104.8	1.00

TERMS: (Unless specified elsewhere) Add $1.50 postage, we pay balance. Orders over $50.00 add 85¢ for insurance. No C.O.D. Texas Res. add 5% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale. Prices subject to change without notice. Foreign orders - U.S. funds only. We cannot ship to Mexico. Countries other than Canada, add $3.50 shipping and handling.

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VOLTAGE REGULATORS

7812K	1.00
LAS 1412K +12v-3A	3.00 4/10.00
723C	3/1.10
78M05T - 500 MA	3/1.10
7805T	.75
7808T	.75
7812T	.75
7815T	.75
7824T	.75
7905T	.75
7912T	.75
7915T	.75
7924T	.75
LM317T	1.10
LM323K +5v 3A	3.00 4/10.00
7905K	.75
7912K	.75

T = TO-220
L = TO-92
K = TO-3
C = TO-5

SWITCHING REGULATOR

SG3524

Features:

- Complete PWM power control circuitry
- Single ended or push-pull outputs
- Line and load regulation of 0.2%
- 1% maximum temperature variation
- Total supply current less than 10mA
- Operation beyond 100kHz
- 16 Pin D.I.L.

1.59

BAUD RATE GENERATOR

COM8116	12.95
INS8250B	9.95

DRIVERS & RECEIVERS

75107	1.00
75110	1.20
75451	.35
75452	.35

DIP SWITCHES

4 Position	.40
5 Position	.65
6 Position	.70
7 Position	.80
8 Position	.75
10 Position	.80
12 Position	.90

BIT SLICE

AMD2901-4 Bit Slice	5.00
AMD2903-4 Bit Super Slice	12.95
AMD2911 Sequencer	3.95
AMD29705-16 Register Files	4.95

LINEAR

LM339	2/1.10
LM358	3/.99
LM380	.75
NE567	2/1.25
723C	3/1.10
1458 H.N.	.35
MC3403 High Performance Version of LM324	2/.99
MC4741 Quad 741	2/.99

PROMS

82S123	1.99
82S129	1.99
MM6351-1D	1.00

BI-FET

TL082	.75
TL084	.90
LF351	.39
LF356H	.55

OSCILLATOR MODULE

Precision Hybrid Oscillator Module has both 1 MHZ and 2 MHZ TTL outputs — Hermetically sealed — Ultra high stability over wide temperature range — originally cost over $40.00 each. We made a super purchase from a major computer manufacturer — 5 Volt operation — fits standard 24 pin dip socket — Manufactured by Motorola oscillator division.

MC6871A With Data
7.50 3/20.00

REED RELAY

Normally Open
Fits in Standard 18 Pin Socket
Voltage — 12VDC
Coil Resistance 2400 Ohms
Contact Rating 10 Watts DC Max
.5 Amps DC Max.
1" Long .35" Wide
1.49 10/12.50

2N3904 - 2N3906

TO98 Plastic transistor - Formed leads to standard triangular configuration - Sprague House numbered - Same as 2N3904 or 2N3906.

Your Choice. 20/1.00

SPECIALS

16 PIN WIRE WRAP SOCKETS
3 level - GOLD INLAY
Machine Pins
10/3.95 25/8.75

14 PIN WIRE WRAP SOCKETS
2 Level - GOLD
10/3.95 25/8.75

16 PIN GOLD HEADERS
4/1.25

1/2" Aluminum Hexagon Spacers w/Screws
12/1.00 100/6.00

.22 uf/10v Disk 3/8" Spacing 100/3.50

DELAY LINE

For Dynamic Memories. Pick any delay from 10 to 100 n.s. with this dual in line 14 pin device from Pulse Engineering. 10 Taps
PE9825 - 1.49 each

DUAL TONE GENERATOR

MK5087 Touchtone Frequencies (Mostek)	3.95
MK5089	4.50

CRT CONTROLLERS

5027 Programmable - 24x80	10.95
5037	6.95 10/60.00
68B45 - Motorola (HD46505SP) CRT Controller - 2MHZ	17.50
8275	19.95

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Address ______________________ Phone ______________

City ______________ State ______________ Zip ______________

Quantity	Description of Item	Unit Price		Amount	
			Postage	$1	50
			*Tax (if any)		
			**85¢ Insurance		
			TOTAL		

TERMS:

Add $1,50 postage, we pay balance. Orders over $50.00 add 85¢ for insurance. No C.O.D. We accept Visa, MasterCard and American Express Cards. Texas Res. add 5% Tax. 90 Day Money Back Guarantee on all items. All items subject to prior sale.

CREDIT CARD ORDERS:

$10.00 Minimum on credit cards. Order MUST be signed.

***Texas Residents only**
****If Sub Total is over $50.**

Visa • MasterCard • American Express:

Card No. ______________________ **Exp. Date** ______________

Bank No. (MC only) ______________________

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